WBLE-SL ▶ UECM1404	-202305-EZZ ▶ Quizzes ▶ 202306UECM	14040E2b ▶ Review of preview	Update this Quiz		
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		202306UECM14040E2b			
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		Review of preview			
Started on	Wednesday, 19 July 2023, 08:00 PM				
	Wednesday, 19 July 2023, 08:00 PM				
Time taken Grade	0 out of a maximum of 10 (0%)				
	• •				
1 🔽 Marks: 1	Find the PV of an annuity with payme	ents of 1500 at the beginning of every 3 years for 21 years at 6% effective per annum, in terms of interest functions at	6%		
	Answer:		٦٧		
			_^		
	Make comment or override grade Incorrect				
	Correct answer: 6601.58				
	Marks for this submission	: 0/1.			
2 🔽 Marks: 1	of V with the first payment made immediately. During the payout paying interest is qualited at an appual effective interest rate of EO/. Calculate V				
	_		_		
	Answer:		_ X		
	Make comment or override grade				
	Incorrect				
	Correct answer: 286.892549 Marks for this submission	: 0/1.			
	riarks for this sasimission	1 0/ 11			
3 🔽 Marks: 1	Calculate the accumulated value of a	n annuity of 1/12 payable at the beginning of the month for 15.0 years at an annual effective interest rate of 13%.	_		
	Answer:		_		
	Allswei .		_ X		
	Make comment or override grade				
	Incorrect Correct answer: 43.210399				
	Marks for this submission	: 0/1.			
		•			
4 🗑 Marks: 1	You ara given $\delta_t = 4/(44+t)$ for $0 \le t$	≤ 5. Calculate s ₅			
	Anguari		-		
	Answer:		_X		
	Make comment or override grade				
	Incorrect				

Correct answer: 5.960715

Marks: 1

The force of interest at time t is 1300t³.

Marks for this submission: 0/1.

5 🕏 Marks: 1	Jenny receives 16-year incresing annuity-immediate paying 300 the first year and increasing by 300 each year thereafter. Matt receives a 16-year decreasing annuity-immediate paying Y the first year and decreasing by Y/16 each year thereafter. At an effective annual interest rate of 9%, both annuities have the same present value. Calculate Y.					
	Answer:	x				
	Make comment or override grade					
	Incorrect Correct answer: 3141.188876					
	Marks for this submission	: 0/1.				
6 ☑ Marks: 1	Two annuities have equal present values. The first is an annuity-immediate with quarterly payments of X for 12 years. The second is an increasing-annuity with 12 annual payments. The first payment is 500 and subsequent payments increase by 50.0 per year. You may assume an annual effective interest rate of 7%. Determine X.					
	Answer:	x				
	Make comment or override grade					
	Incorrect Correct answer: 179.145172 Marks for this submission	.: 0/1.				
7 🕏 Marks: 1	An-annuity-immediate pays 19 at the of this annuity-immediate	e end of years 1 and 2, 18 at the ends of years 3 and 4, etc, with payments decreasing by 1 every second year, until nothing is paid. The effective annual rate of interest is 6%. Calculate the present value				
	Answer:	x				
	Make comment or override grade					
	Incorrect Correct answer: 196.553243					
	Marks for this submission	: 0/1.				
8 🗹 Marks: 1	Bob purchases an increasing perpetui	ity with payments occuring at the end of every 3 years. The first payment is 1, the second one is 2, the third one is 3, etc. The price of the perpetuity is 180. Calculate the annual effective interest rate.				
	Answer:	x				
	Make comment or override grade					
	Incorrect					
	Correct answer: 0.025151 Marks for this submission	: 0/1.				
		-,				
9 🗹 Marks: 1	An investor is considering the purcha: 10% greater than the first dividend a dividend stream at an annual effective	se of 100 ordinary shares in a company. Dividends from the share will be paid annually. The next dividend is due in one year and is expected to be RM0.05 per share. The second dividend is expected to be and the third dividend is expected to be 6% greater than the second dividend. Thereafter, dividends are expected to grow at 5% per annum compound in perpetuity. Calculate the present value of this are the present value of this are the present value of the present v				
	Answer:					
	Make comment or override grade					
	Incorrect					
	Correct answer: 175.954504 Marks for this submission	· 0/1				
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10 🗑	You are given:					

• R is the present value of of a 7 year continuously increasing annuity which has a rate of payment of 900t ³ at time t.					
Calculate R					
Answer:		x			
Make comment or override grade					
Incorrect Correct answer: 0.692308 Marks for this submission: 0/1.					

Moodle Docs for this page

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